



Technical Requirements

1 Hardware requirements – Web servers, application servers, and single server installations

The values in the following table are minimum values for installations on servers that are running SharePoint Server 2013/2016/2019 or SharePoint Foundation 2013 in a multiple and single server farm installation.

For all installation scenarios, you must have sufficient hard disk space for the base installation and sufficient space for diagnostics such as logging, debugging, creating memory dumps, and so on. For production use, you must also have additional free disk space for day-to-day operations. In addition, maintain two times as much free space as you have RAM for production environments.

For better performance and user experience we recommend using Solid State Drives (SSD) or SSD based storage systems.

Installation Scenario	Deployment type and scale	RAM	Processor	Hard disk space
Single server with a built-in database or single server that uses SQL Server	Development or evaluation installation of SharePoint Server 2013/2016/2019 or SharePoint Foundation 2013 with the minimum recommended services for development environments. Use the Single-Server farm role that will let you choose which service applications to provision.	16 GB	64-bit, 4 cores	80 GB for system drive 100 GB for second drive
Single server role that uses SQL Server	Pilot or user acceptance test installation of SharePoint Server 2013/2016/2019 or SharePoint Foundation 2013 running all available services for development environments.	24 GB	64-bit, 4 cores	80 GB for system drive 100 GB for second drive and additional drives
Web server or application server in a three-tier farm	Development or evaluation installation of SharePoint Server 2013/2016/2019 or SharePoint Foundation 2013 with a minimum number of services.	12 GB	64-bit, 4 cores	80 GB for system drive 80 GB for second drive and additional drives
Web server or application server in a three-tier farm	Pilot, user acceptance test, or production deployment of SharePoint Server 2013/2016/2019 or SharePoint Foundation 2013 running all available services.	16 GB	64-bit, 4 cores	80 GB for system drive 80 GB for second drive and additional drives

2 Hardware requirements – Database servers

The requirements in the following table apply to database servers in production environments with multiple servers in the farm.

Component	Minimum requirement
Processor	64-bit, 4 cores
RAM	8 GB for small deployments 16 GB for medium deployments 24 GB for large deployments
Hard disk	80 GB for system drive 80 GB for second drive and additional drives Hard disk space is dependent on the size of your SharePoint content and backup requirements. For better performance we recommend using Solid State Drives (SSD) or SSD based storage systems.